

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	"20020051071"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 12:37
S2	14	"4841348"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 12:38
S3	11	"5432551"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 12:41
S4	2	"20040057719"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 13:26
S5	729	pad WITH shift NEAR2 register	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:41
S6	153	pad WITH shift NEAR2 register AND CMOS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 15:21
S7	18	"654905"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 14:57

## EAST Search History

S8	2	"20020109075"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 15:00
S9	15	"6549054"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 15:00
S10	7	pad WITH vertical NEAR2 shift NEAR2 register AND CMOS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 07:32
S11	28	((MASANORI) near2 (OGURA)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 15:32
S12	35	((FUMIHIRO) near2 (INUI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 15:32
S13	20	((TETSUYA) near2 (ITANO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 13:36
S14	42	(S11 OR S12 OR S13) AND (pad OR pins OR contact OR electrode OR lids)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 12:03
S15	44	(pad OR pins OR contact OR electrode OR lids) WITH vertical NEAR2 shift NEAR2 register AND CMOS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 07:52
S16	769	(348/294).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:41

## EAST Search History

S17	439	(348/302).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:53
S19	64	(348/324).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:54
S21	460	(348/340).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:51
S22	769	(348/294).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/08 07:58
S23	958	(348/308).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:54
S24	421	(348/311).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:41
S26	1504	(257/291,292).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:43

## EAST Search History

S27	67	S26 AND (pad OR pins OR contact OR electrode OR lids) SAME shift NEAR2 register	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 08:00
S28	5	"5027322"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:17
S29	17	("4271420"   "4286278"   "4322753"   "4336556"   "4499590"   "4665325"   "4665422"   "4714950").PN. OR ("4841348").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 09:23
S30	6	("5796380"   "5815223"   "5816677"   "6166792").PN. OR ("6476897").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 09:26
S31	152	("5461425"   "5471515"   "5491566"   "5541402"   "5576763"   "5600127"   "5608204"   "5670817").PN. OR ("5841126").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 09:31
S32	152	("5461425"   "5471515"   "5491566"   "5541402"   "5576763"   "5600127"   "5608204"   "5670817").PN. OR ("5841126").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 10:22
S33	97256	(CMOS OR imager) AND (pad OR pins OR contact OR electrode OR lids)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 12:10
S34	33901	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 12:11

## EAST Search History

S35	1753	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids) SAME amplifier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 12:11
S36	1080	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids) SAME amplifier SAME output	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 12:24
S37	22	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids) SAME amplifier SAME output SAME camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:42
S38	61	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids) SAME amplifier SAME output SAME shift	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 15:24
S39	61	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids) SAME amplifier SAME output SAME shift	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 15:24
S40	7207	pads SAME pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:41
S41	25	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids) SAME amplifier SAME output SAME camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:45

## EAST Search History

S42	985	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids) SAME camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:51
S43	205	(CMOS OR imager) SAME pads SAME camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 13:46
S44	8	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids) SAME low\$4 NEAR2 driv\$4 NEAR2 frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:14
S45	144	(CMOS OR imager) SAME (pad OR pins OR contact OR electrode OR lids) SAME low\$4 NEAR2 frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/14 14:14
S46	37	pads NEAR3 suppl\$4 NEAR2 voltage WITH (imager OR CMOS OR CCD)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 15:06
S47	131205	("348").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/15 15:06
S48	166	S47 AND pads SAME input SAME voltage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 08:44

## EAST Search History

S49	168	pads SAME input SAME voltage SAME shift NEAR2 register	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 15:09
S50	131205	("348").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 08:44
S51	175	S50 AND pads SAME suppl\$6 SAME voltage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 08:45
S52	19	shift ADJ register WITH horizontal WITH vertical WITH advantage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 10:42
S53	37	((FUMIHIRO) near2 (INUI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 13:35
S54	30	((MASANORI) near2 (OGURA)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 13:35
S55	24	((TETSUYA) near2 (ITANO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 15:32
S56	63	S53 OR S54 OR S55	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 13:36
S57	451	(348/311).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:41

## EAST Search History

S58	819	(348/294).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:42
S59	1680	(257/291,292).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:43
S60	497	(348/340).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:51
S61	462	(348/302).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:53
S62	1041	(348/308).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:54
S63	64	(348/324).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 13:55
S64	460	(348/311).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 10:04

## EAST Search History

S65	840	(348/294).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 10:04
S66	1771	(257/291,292).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 10:04
S67	525	(348/340).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 10:04
S68	473	(348/302).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 10:04
S69	1088	(348/308).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 10:04
S70	65	(348/324).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/01 10:04
S71	4731	(S64 Or S65 OR S66 OR S67 OR S68 OR S69 OR S70)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/08/01 10:04

## EAST Search History

S72	3177	S71 AND (pad OR pins OR contact OR electrode OR lids)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/08/01 10:05
S73	1574	S71 AND (pad OR pins OR contact OR electrode OR lids) AND (CMOS OR imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/08/01 10:06
S74	372	S71 AND (pad OR pins OR contact OR electrode OR lids) AND (CMOS OR imager) AND shift NEAR2 register	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/08/01 10:17
S75	3	"7012635"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/08/01 10:17
S76	23	"6118115"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/08/01 12:10
S77	39	((FUMIHIRO) near2 (INUI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 15:32
S78	32	((MASANORI) near2 (OGURA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 15:32
S79	24	((TETSUYA) near2 (ITANO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 15:33
S80	66	(S77 OR S78 OR S79)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/01 15:33